ABSTRACT OF THE DISCLOSURE

A high-voltage transformer includes a bobbin that holds a core at its center. This bobbin has eight winding grooves arrayed along the central axis of the core. A primary coil is wound around each of two outermost winding grooves with a predetermined number of turns. A secondary coil is wound around the six winding grooves near the center with a predetermined number of turns, which are distributed among these winding grooves. The cathode of a diode is connected through a terminal to one end of the secondary coil where the winding starts, while the anode of another diode is connected through another terminal to the other end of the secondary coil where winding ends.